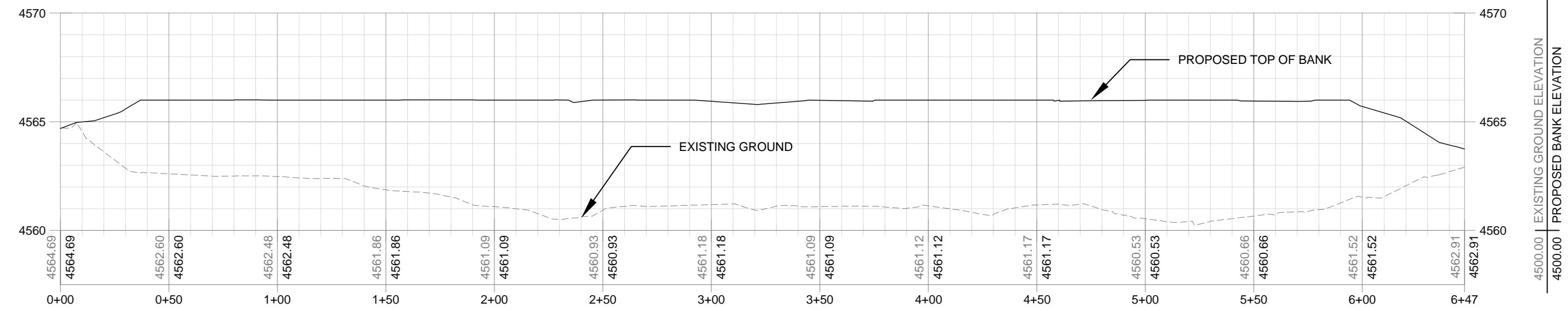


LEGEND
 - - - - - EXISTING GROUND
 ——— PROPOSED GROUND



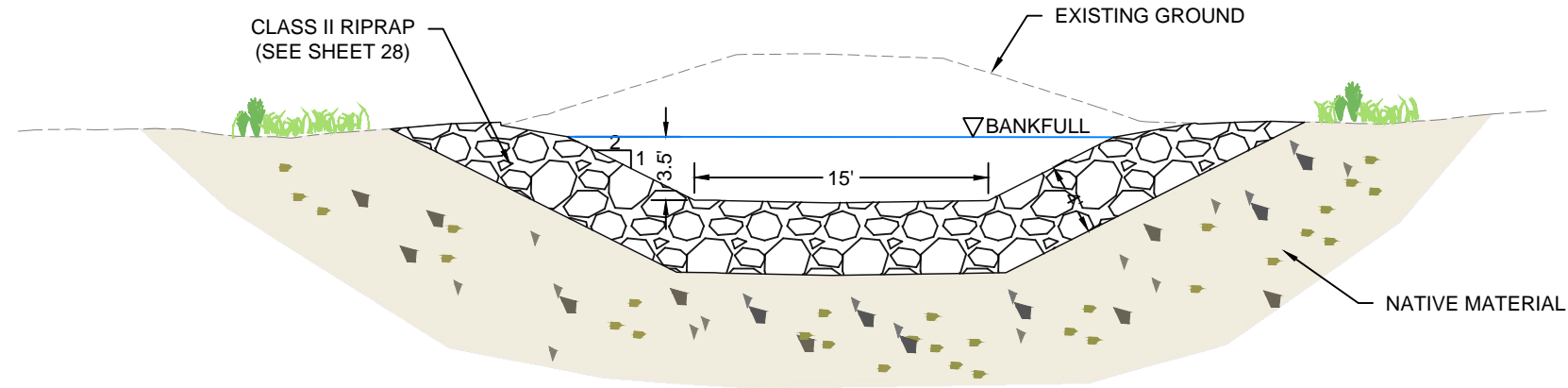
1 JEFFERSON BUILT OUT LEFT BANK
10 HORIZONTAL SCALE: 1" = 50'
 VERTICAL SCALE: 1" = 5'

DRAWN BY: ML, RL, CB		DATE: 12/02/24		
DESIGNED BY: ML, RL, KL		PROJECT NO.: RVD010		
CHECKED BY: MS		FILE NAME: RVD010_100%_DESIGN_PLANS		
REV	DATE	DESCRIPTION	BY	APPD
1	3/12/24	30% CONCEPT DESIGN	KL	MS
2	6/06/24	60% CONCEPT DESIGN	CB	MS
3	9/20/24	90% DESIGN PLANS	CB	MS
4	12/02/24	100% DESIGN PLANS	CB	MS

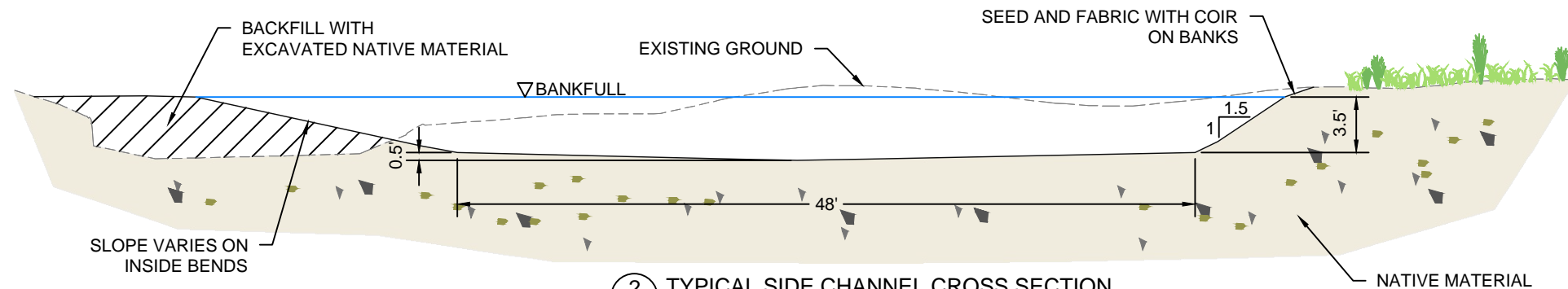


UPPER JEFFERSON RIVER RESTORATION PROJECT
100% DESIGN PLANS
 RUBY VALLEY CONSERVATION DISTRICT

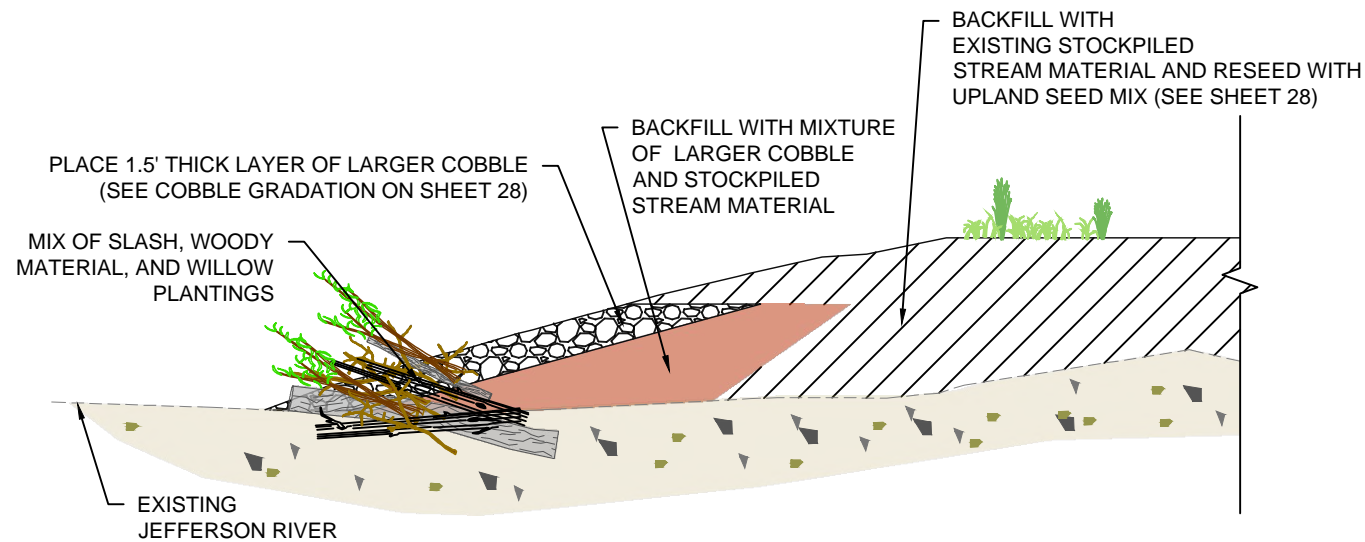
JEFFERSON BUILT OUT LEFT BANK



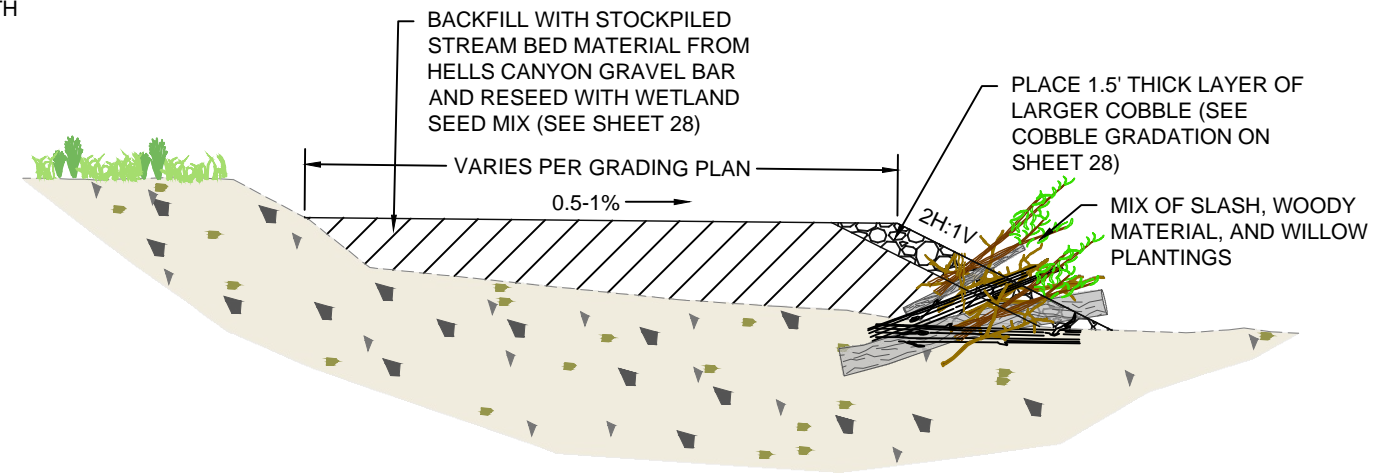
1
11 TYPICAL SIDE CHANNEL INLET CROSS SECTION
SCALE: 1" = 10'



2
11 TYPICAL SIDE CHANNEL CROSS SECTION
SCALE: 1" = 10'



3
11 JEFFERSON RIGHT BANK STABILIZATION
SCALE: 1" = 10'



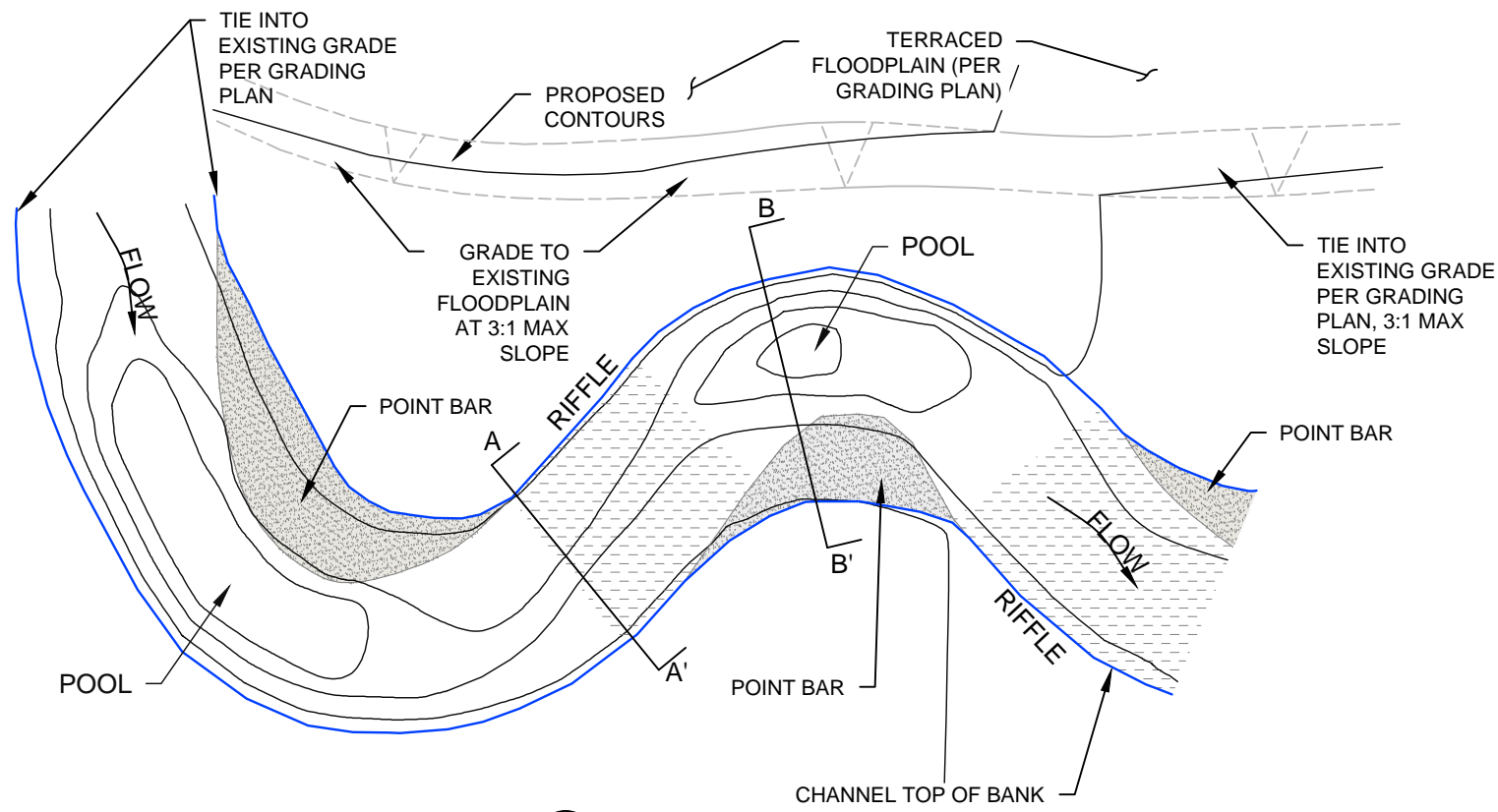
4
11 JEFFERSON BUILT OUT LEFT BANK
NOT TO SCALE

DRAWN BY: ML, KL, CB		DATE: 12/02/24		
DESIGNED BY: ML, RB, KL		PROJECT NO.: RAVCD010		
CHECKED BY: MS		FILE NAME: RUBY VALLEY CONSERVATION DISTRICT		
REV.	DATE	DESCRIPTION	BY	APPD.
1	5/12/24	30% CONCEPT DESIGN	KL	MS
2	6/06/24	60% CONCEPT DESIGN	CB	MS
3	9/20/24	90% DESIGN PLANS	CB	MS
4	12/02/24	100% DESIGN PLANS	CB	MS

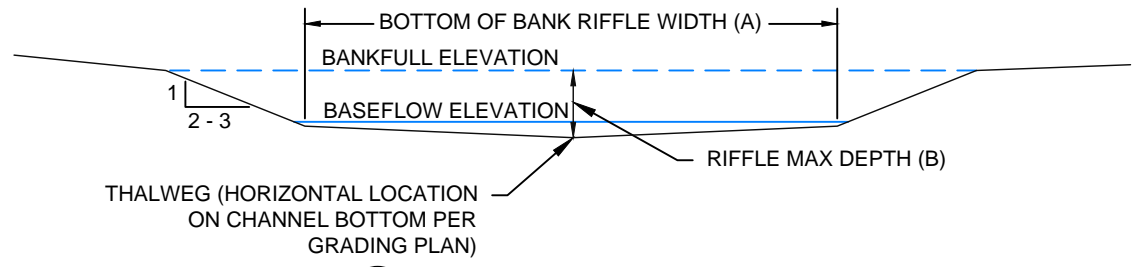


UPPER JEFFERSON RIVER RESTORATION PROJECT
100% DESIGN PLANS
RUBY VALLEY CONSERVATION DISTRICT

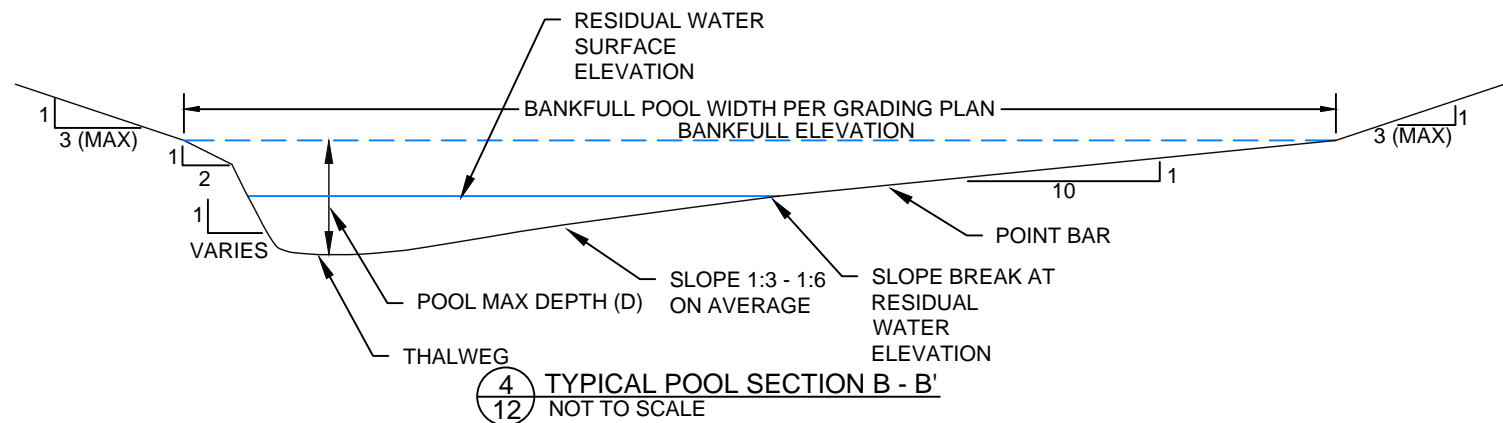
DETAILS (1)
SIDE CHANNEL



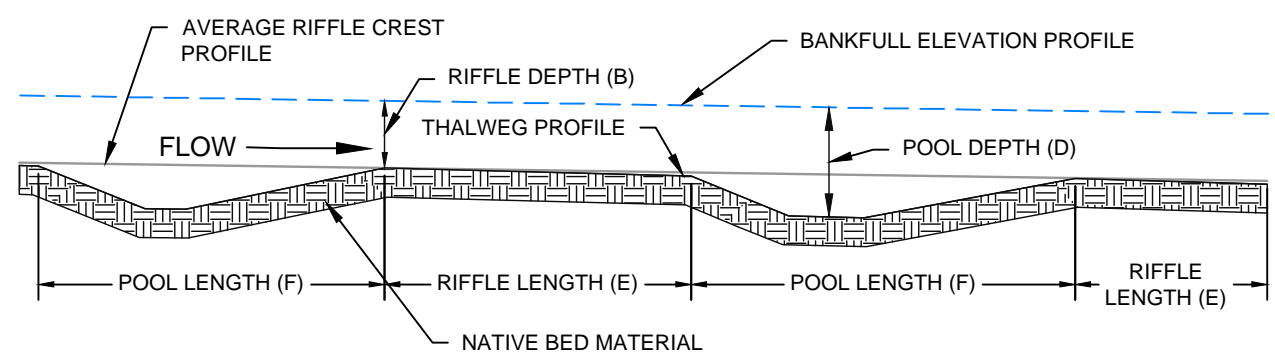
1
12
TYPICAL CHANNEL PLAN
NOT TO SCALE



3
12
TYPICAL RIFFLE SECTION A - A'
NOT TO SCALE



4
12
TYPICAL POOL SECTION B - B'
NOT TO SCALE



2
12
TYPICAL PROPOSED PROFILE
NOT TO SCALE

GEOMORPHIC TABLE		
	FEATURE	SIDE CHANNEL
A	BOTTOM OF BANK RIFFLE WIDTH (FT)	48
B	RIFFLE MAX DEPTH (FT)	3.5
C	BANKFULL POOL WIDTH (FT)	60
D	POOL MAX DEPTH (FT)	5.5 - 6.5
E	RIFFLE LENGTH (FT)	70 - 200
F	POOL LENGTH (FT)	60 - 135

- NOTES:
- 1) USE MATERIAL EXCAVATED FROM POOLS TO CREATE POINT BARS
 - 2) USE STOCKPILED GENERAL FILL TO CREATE RIFFLES

DATE: 12/02/24	CCJOB NO.: RAVD010			
DRAWN BY: ML, RL, CB	FILE NAME: 021-2026-UPPER JEFFERSON			
DESIGNED BY: ML, RR, KL	CHECKED BY: MS			
REV	DATE	DESCRIPTION	BY	APPD
1	5/12/24	30% CONCEPT DESIGN	KL	MS
2	6/26/24	60% CONCEPT DESIGN	CB	MS
3	9/20/24	90% DESIGN PLANS	CB	MS
4	12/02/24	100% DESIGN PLANS	CB	MS



UPPER JEFFERSON RIVER RESTORATION PROJECT
100% DESIGN PLANS
RUBY VALLEY CONSERVATION DISTRICT

DETAILS (2)
HABITAT

NARROW CHANNEL AND RESEED WITH WETLAND SEED MIX (SEE SHEET 28). SOURCE MATERIAL FROM ONSITE BORROW LOCATION

KEY RIPRAP INTO RIGHT BANK MINIMUM 10-FT

LOW FLOW CHANNEL BOTTOM

PROPOSED ROCK RAMP PER DETAILS ON SHEET 14

PROPOSED HEAD OF RAMP

PROPOSED BASE OF RAMP

PROPOSED TOP OF BANK (TYP.)

PROPOSED BOTTOM BANK (TYP.)

39+00

SIDE CHANNEL

4556.08

PROPOSED BASE OF RAMP

4556.42

4557

38+00

-1.8%

-2.1%

15

4557

4560.00

4556.88

4556

4557

4560

4561

KEY RIPRAP INTO EXISTING BANK MINIMUM 10-FT

GIDEON ROOT DITCH

EXTEND EXISTING PENINSULA PER GRADING

INSTALL CLASS 1 RIPRAP (SEE SHEET 28 FOR GRADATION) BELOW HEADGATE OUTLET. EXTEND RIPRAP UP ADJACENT BANKS

PROPOSED CONCRETE HEADWALL WITH HEADGATE. SEE DETAIL SHEETS 15 & 16

INSTALL CLASS 1 RIPRAP (SEE SHEET 28 FOR GRADATION) ABOVE HEADGATE INLET. EXTEND RIPRAP UP ADJACENT BANKS

MT HIGHWAY 41N

N

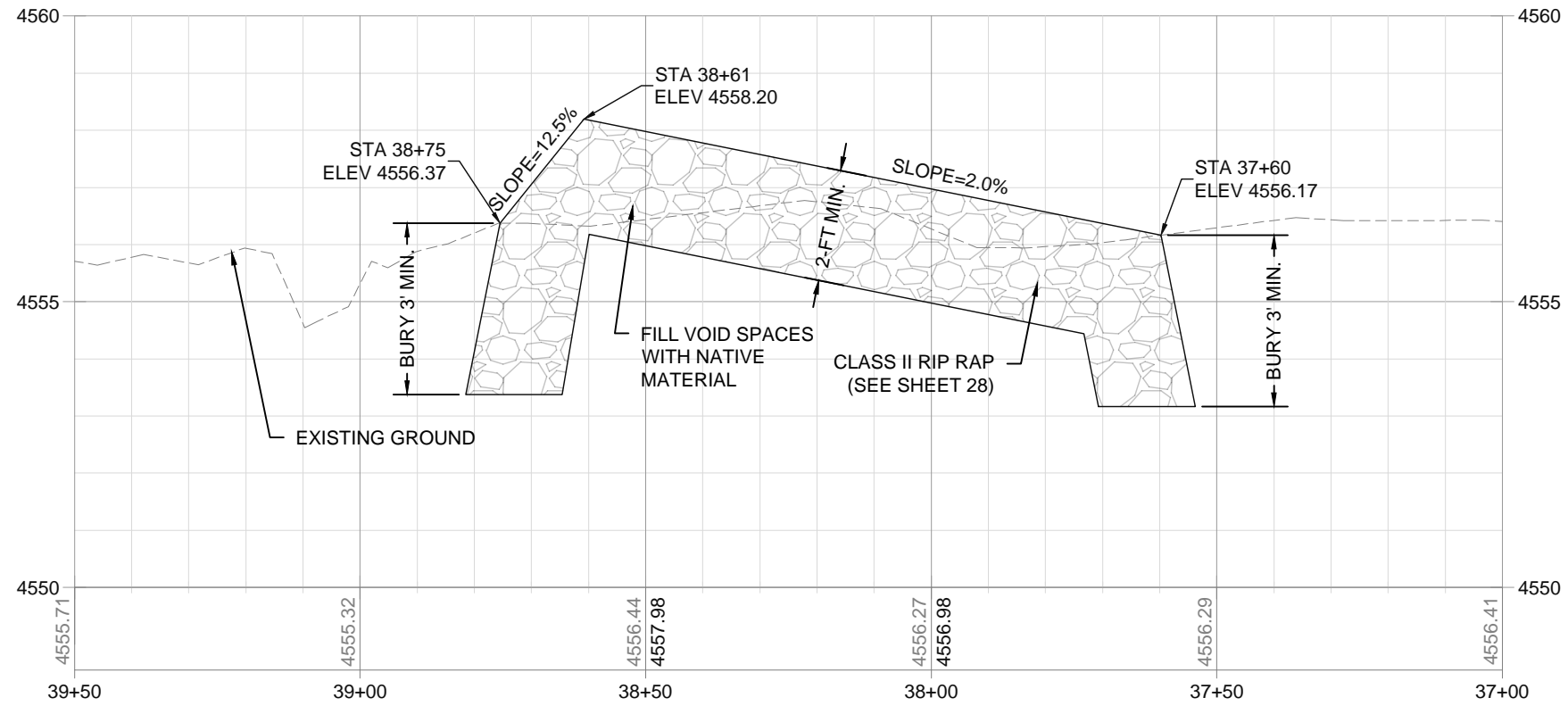


DRAWN BY: CB		DATE: 12/024		
DESIGNED BY: ML RB		PROJECT NO.: RUCD010		
CHECKED BY: MS		FILE NAME: RUCD010.DWG		
REV	DATE	DESCRIPTION	BY	APPD
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2	9/20/24	90% DESIGN PLANS	CB	MS
3	12/024	100% DESIGN PLANS	CB	MS

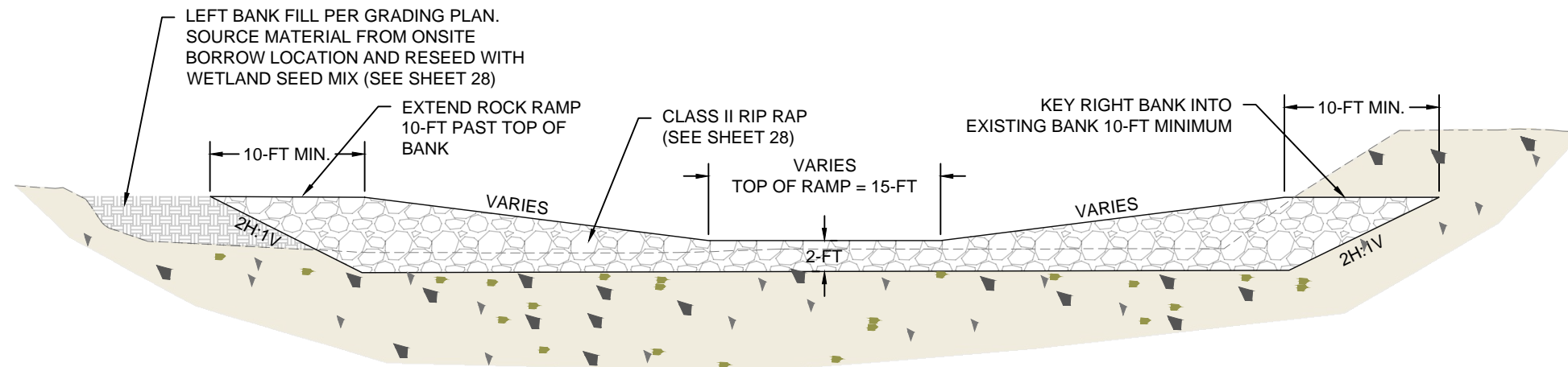


UPPER JEFFERSON RIVER RESTORATION PROJECT
100% DESIGN PLANS
RUBY VALLEY CONSERVATION DISTRICT

PROPOSED DIVERSION SITE PLAN



1 ROCK RAMP PROFILE
 14 HORIZONTAL SCALE: 1" = 30'
 VERTICAL SCALE: 1" = 3'



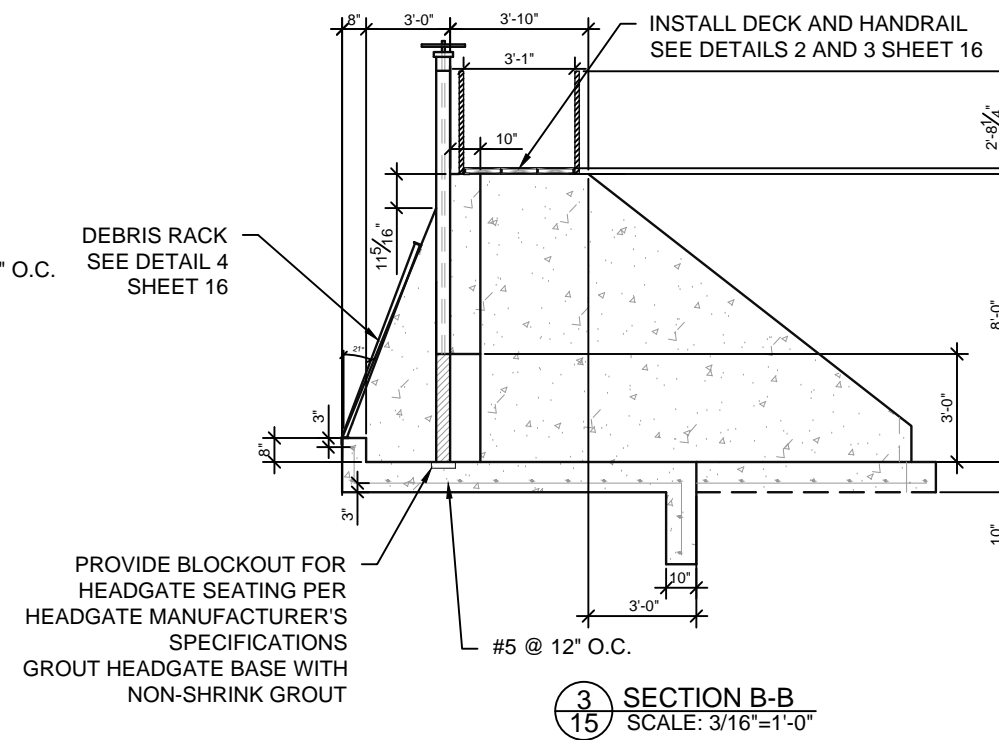
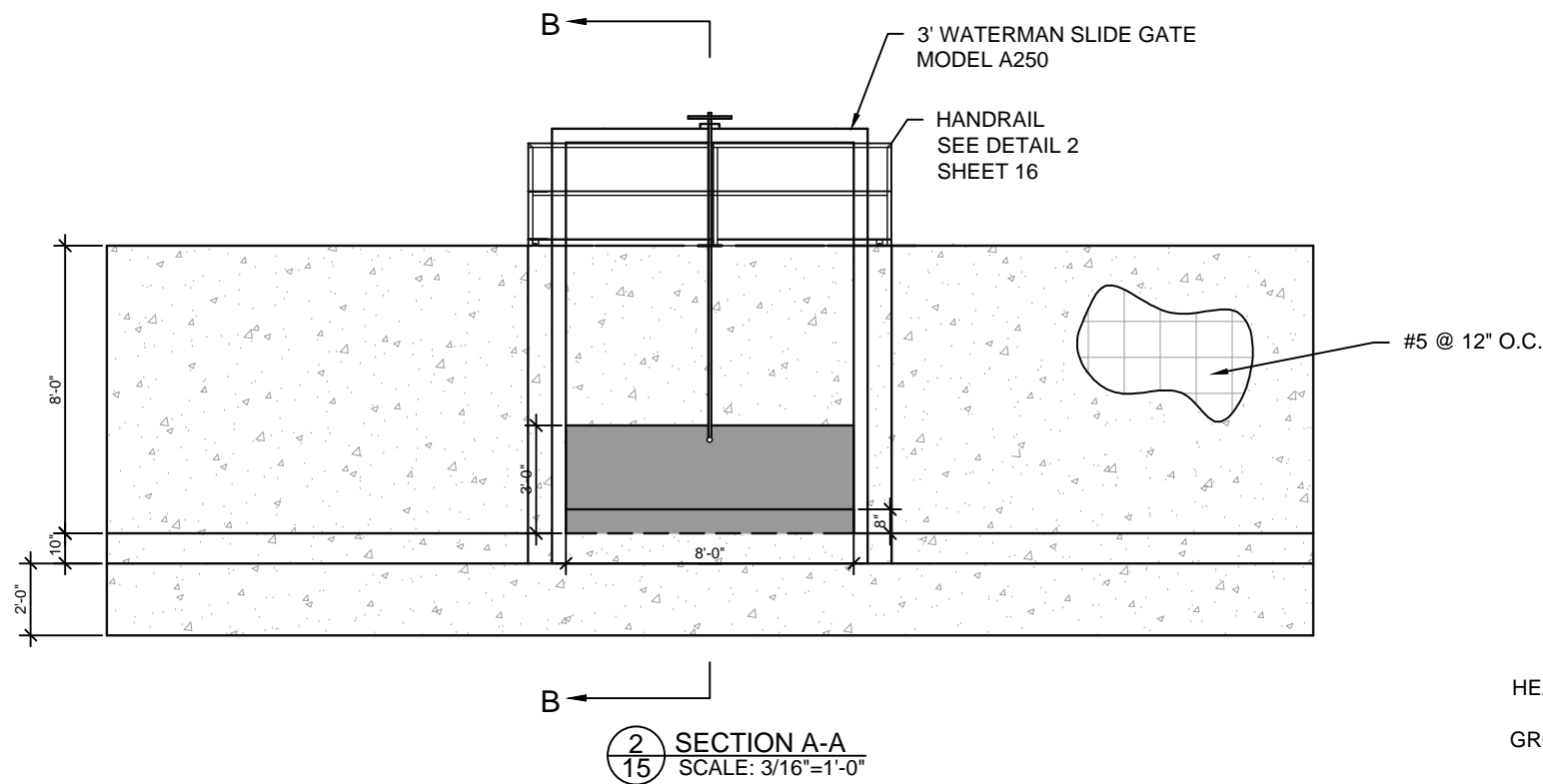
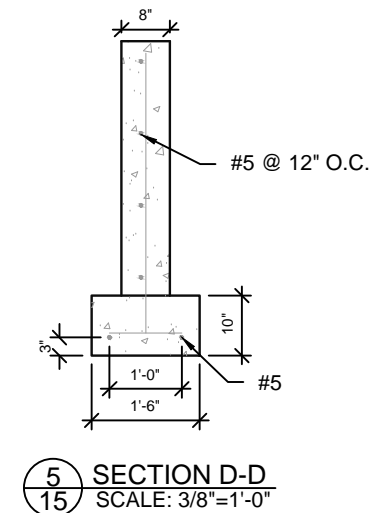
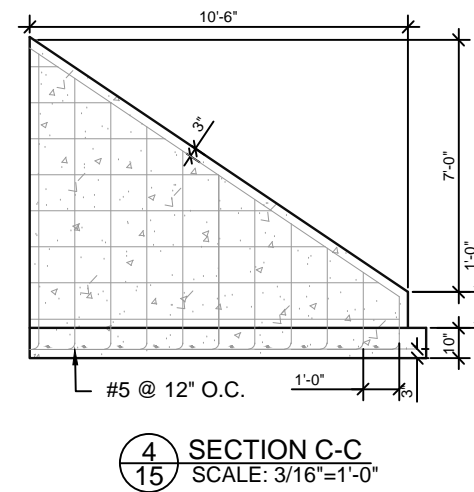
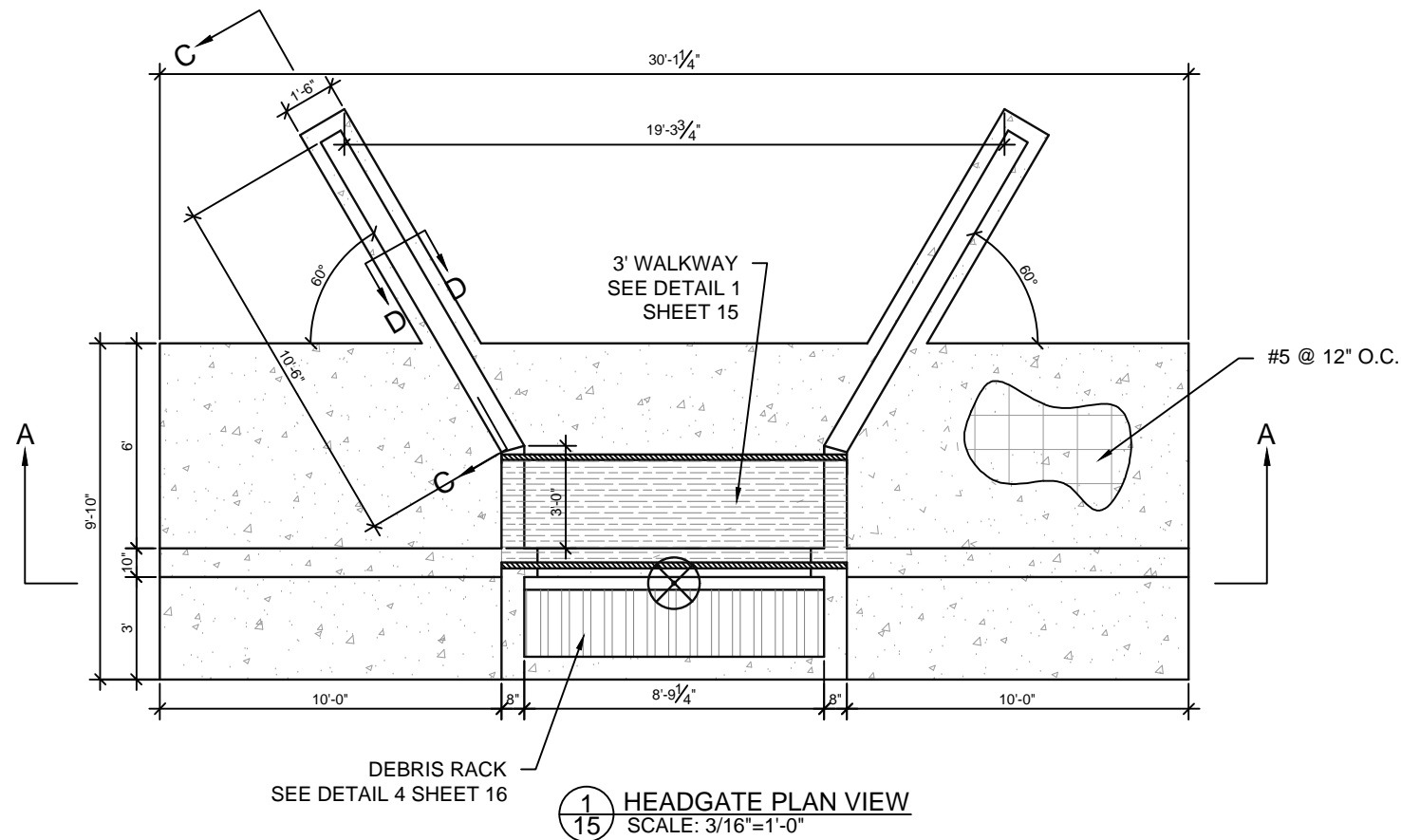
2 ROCK RAMP CROSS SECTION
 14 NOT TO SCALE

DRAWN BY: ML, KL, CB		DATE: 12/02/24		
DESIGNED BY: ML, RR, KL		PROJECT NO.: RVD010		
CHECKED BY: MS		FILE NAME: RVD010.DWG		
REV	DATE	DESCRIPTION	BY	APPD
1	3/12/24	30% CONCEPT DESIGN	KL	MS
2	6/06/24	60% CONCEPT DESIGN	CB	MS
3	9/20/24	90% DESIGN PLANS	CB	MS
4	12/02/24	100% DESIGN PLANS	CB	MS



UPPER JEFFERSON RIVER RESTORATION PROJECT
 100% DESIGN PLANS
 RUBY VALLEY CONSERVATION DISTRICT

DETAILS (3)
 ROCK RAMP

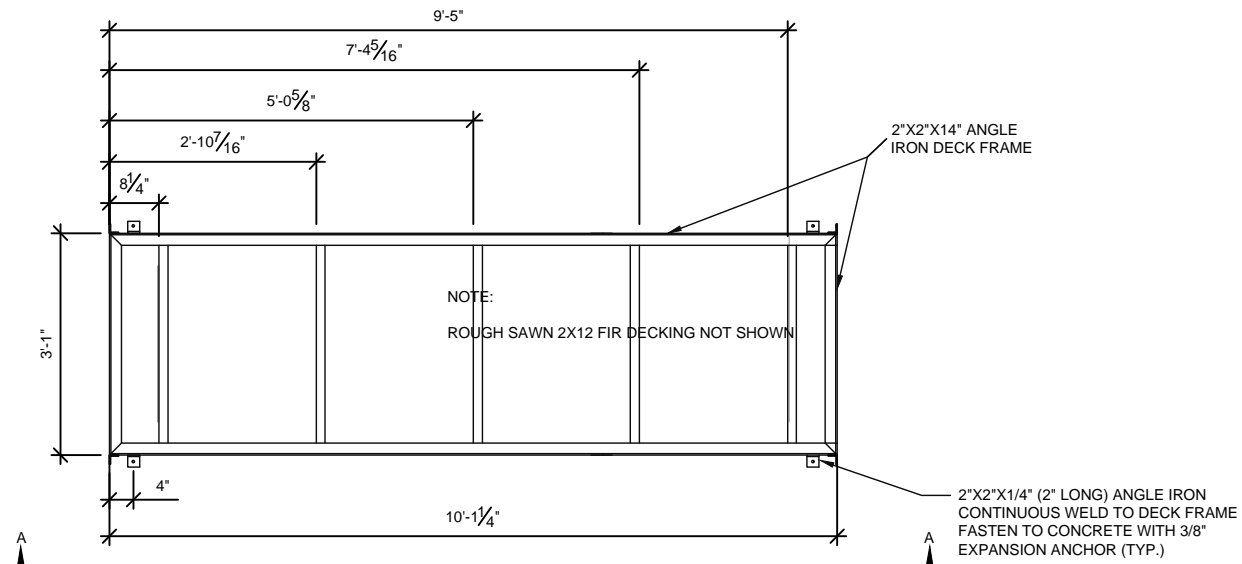


DRAWN BY: CB		DATE: 12/6/24	CCJOB NO.: R/VCD010
DESIGNED BY: TT, ML, RB		FILE NAME: RUBY VALLEY CONSERVATION DISTRICT	
CHECKED BY: MS		DESCRIPTION	
REV	DATE	DESCRIPTION	BY
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2	9/20/24	90% DESIGN PLANS	CB
3	12/6/24	100% DESIGN PLANS	CB

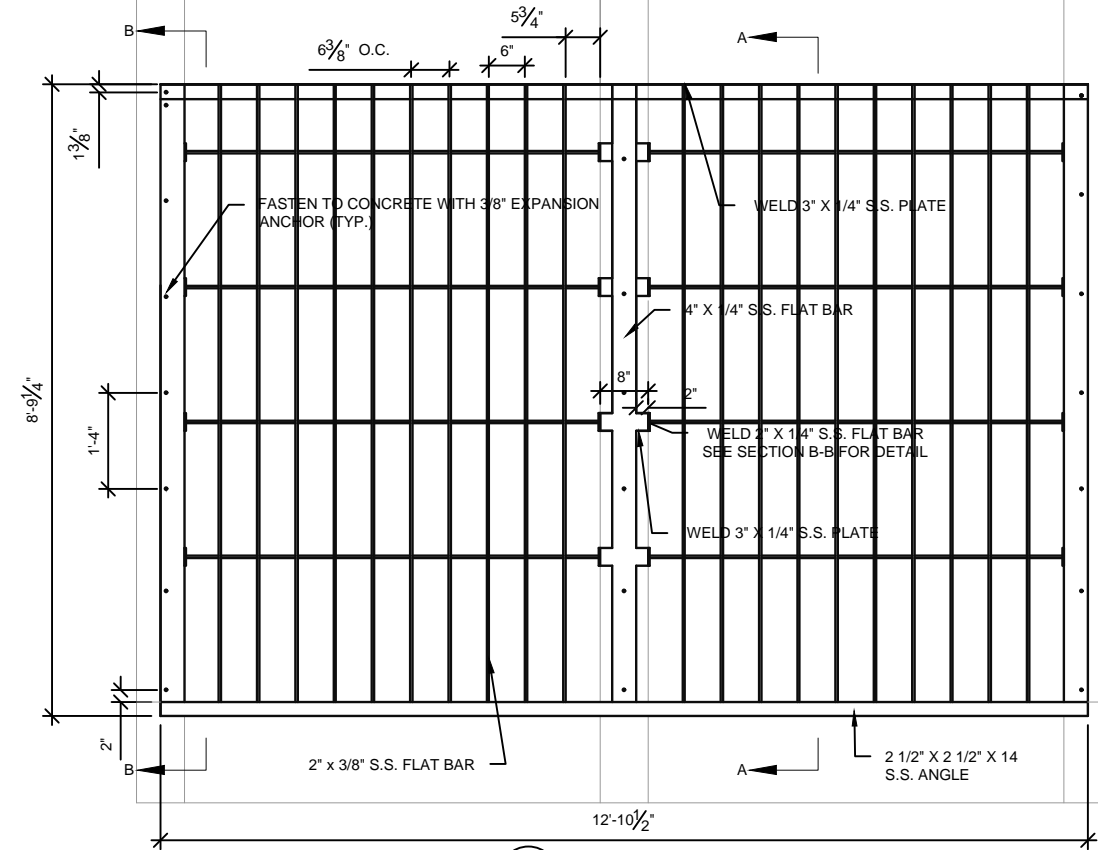


UPPER JEFFERSON RIVER RESTORATION PROJECT
100% DESIGN PLANS
RUBY VALLEY CONSERVATION DISTRICT

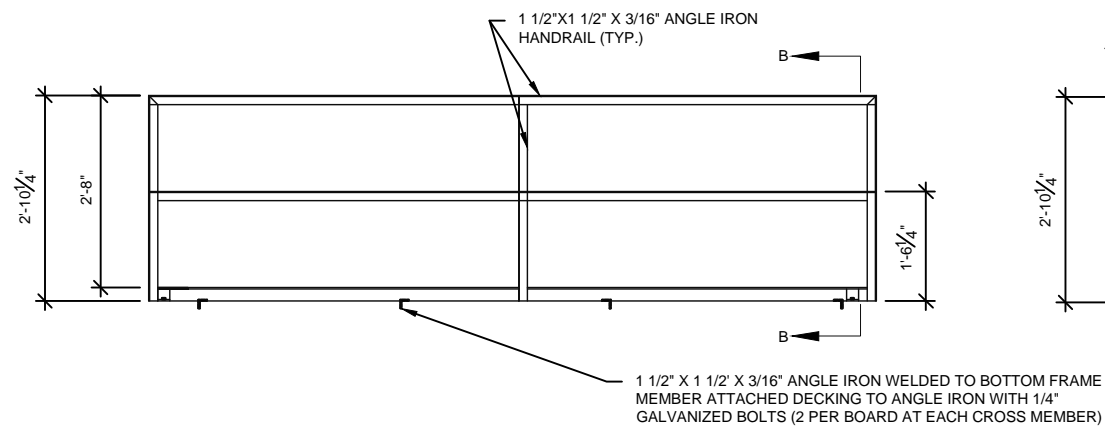
DETAILS (4)
HEADGATE



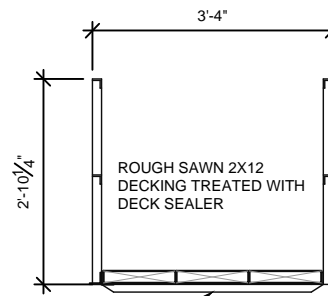
1 WALKWAY PLAN VIEW
SCALE: 3/8"=1'-0"



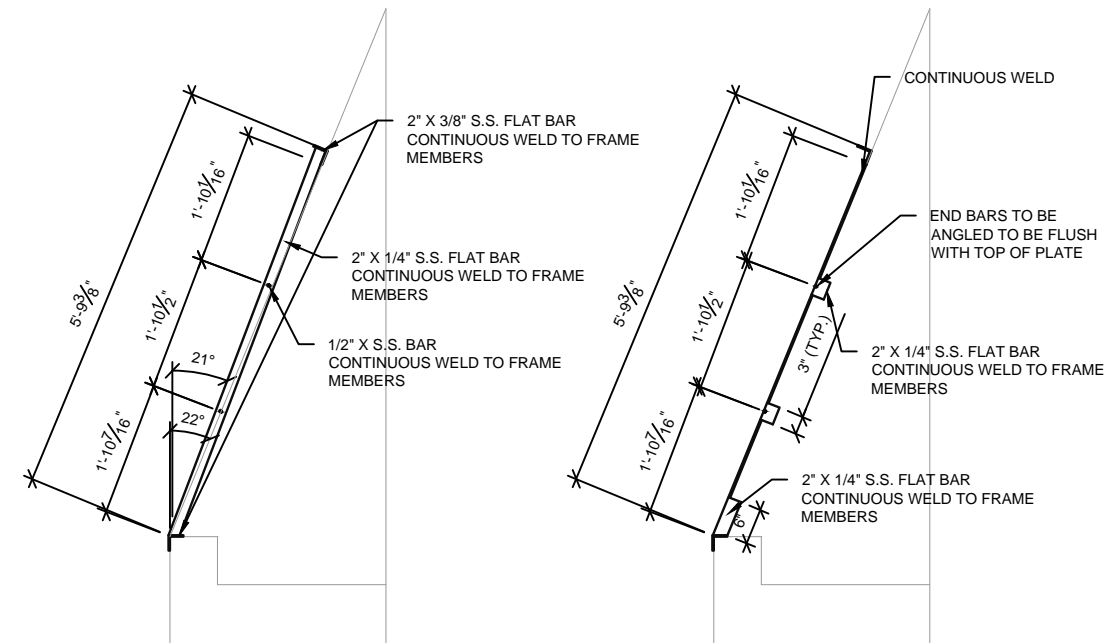
4 DEBRIS RACK PLAN VIEW
SCALE: 3/8"=1'-0"



2 HANDRAIL SECTION A-A
SCALE: 3/8"=1'-0"



3 DECK SECTION B-B
SCALE: 3/8"=1'-0"



5 DEBRIS RACK SECTION A-A
SCALE: 3/8"=1'-0"

6 DEBRIS RACK SECTION B-B
SCALE: 3/8"=1'-0"

DRAWN BY: CB		DATE: 12/02/24	CCJOB NO.: RAVCD010	
DESIGNED BY: TT, ML, RB		FILE NAME: RAVCD010.DWG		
CHECKED BY: MS		DESCRIPTION		
REV	DATE	DESCRIPTION	BY	APPD
1	6/26/24	60% CONCEPT DESIGNS	CB	MS
2	9/20/24	90% DESIGN PLANS	CB	MS
3	12/02/24	100% DESIGN PLANS	CB	MS



UPPER JEFFERSON RIVER RESTORATION PROJECT
100% DESIGN PLANS
RUBY VALLEY CONSERVATION DISTRICT

DETAILS (5)
HEADGATE

LEGEND

- PROPERTY BOUNDARIES
- PROPOSED BOTTOM OF BANK
- PROPOSED TOP OF BANK
- PROPOSED GRADING EXTENT
- PROPOSED RIP RAP KEY IN

DATE:	12/02/24
PROJECT NO.:	021-2026
FILE NAME:	021-2026_Upper Jefferson
DESIGNED BY:	ML, RR, KL
CHECKED BY:	MS
DRAWN BY:	ML, KL, CB

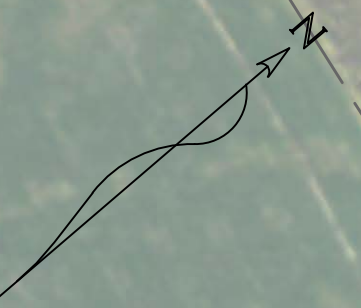
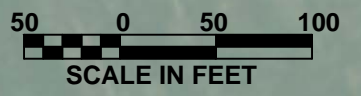
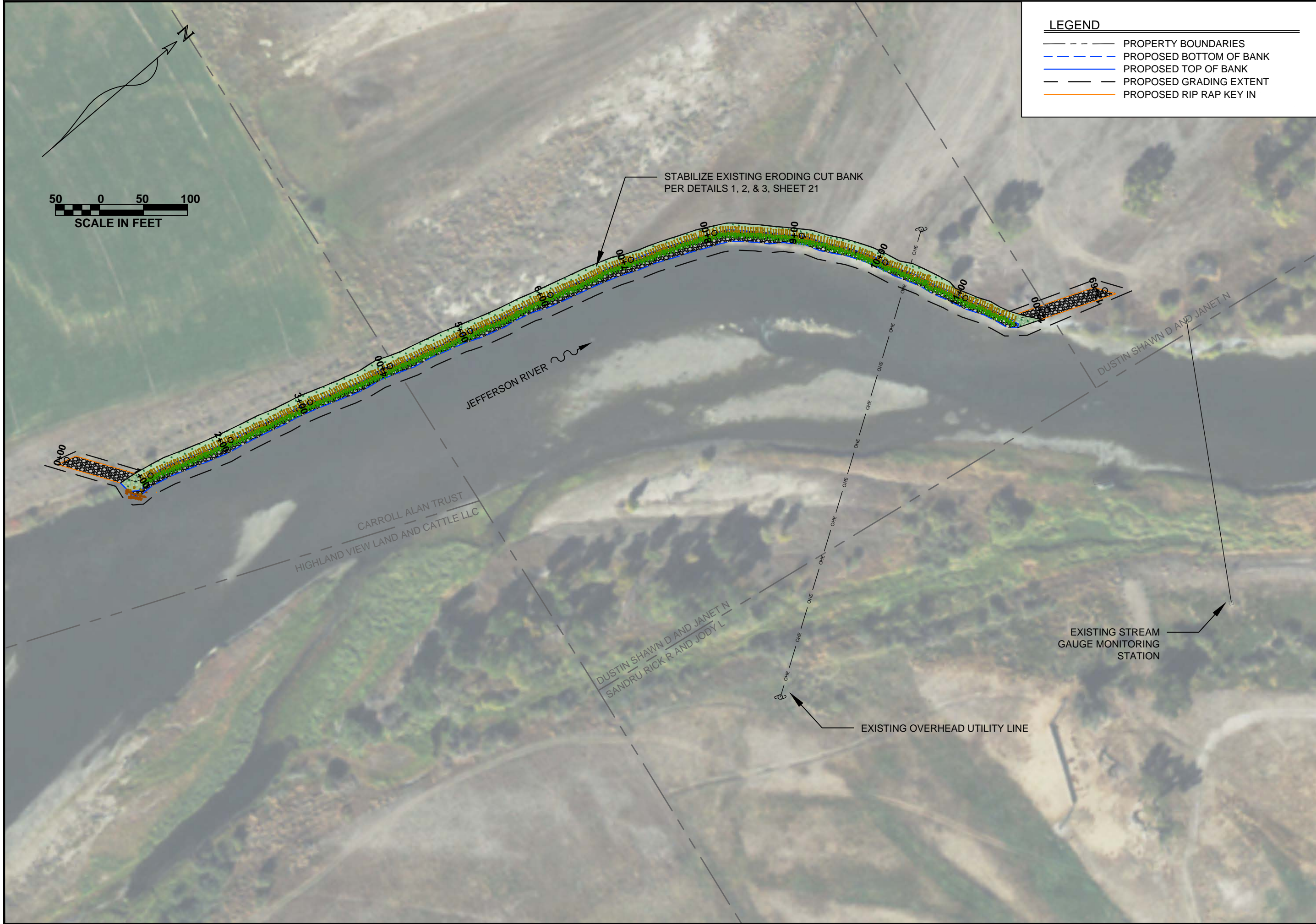
REV.	DATE	DESCRIPTION	BY	APPD
1	3/12/24	30% CONCEPT DESIGN	KL	MS
2	6/06/24	60% CONCEPT DESIGN	CB	MS
3	9/20/24	90% DESIGN PLANS	CB	MS
4	12/02/24	100% DESIGN PLANS	CB	MS



UPPER JEFFERSON RIVER RESTORATION PROJECT
100% DESIGN PLANS
RUBY VALLEY CONSERVATION DISTRICT

BANK STABILIZATION SITE 1 PLAN

SHEET: 17



STABILIZE EXISTING ERODING CUT BANK PER DETAILS 1, 2, & 3, SHEET 21

JEFFERSON RIVER

CARROLL ALAN TRUST
 HIGHLAND VIEW LAND AND CATTLE LLC

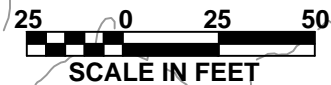
DUSTIN SHAWN D AND JANET N
 SANDRU RICK R AND JODY L

EXISTING STREAM GAUGE MONITORING STATION

EXISTING OVERHEAD UTILITY LINE

DUSTIN SHAWN D AND JANET N

CARROLL ALAN TRUST DUSTIN SHAWN D AND JANET N



INSTALL WILLOW CUTTINGS FOR PROTECTION ALONG THE ENTIRE LENGTH OF THE BANK STABILIZATION

VEGETATED FLOODPLAIN BENCH TO EXTEND 4'-6' INTO RIVER

KEY BURIED ROCK TOE INTO BANK

BURIED ROCK TOE

JEFFERSON RIVER

LEGEND

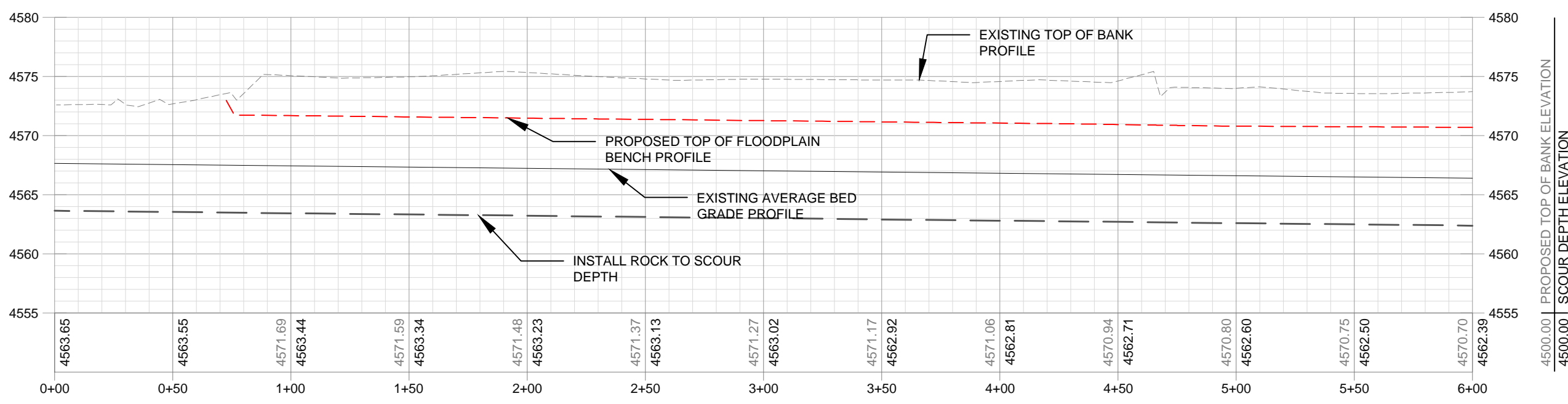
- - - - - EXISTING CONTOUR (1')
- - - - - PROPOSED BOTTOM OF BANK
- - - - - PROPERTY BOUNDARIES
- — — — PROPOSED TOP OF BANK
- - - - - PROPOSED GRADING EXTENT
- — — — PROPOSED RIP RAP KEY IN

DATE: 12/02/24	FILE NAME: 021-2026-UPPER JEFFERSON			
DESIGNED BY: ML, RR, KL	CCJOB NO.: RVD010			
CHECKED BY: MS				
REV	DATE	DESCRIPTION	BY	APPD
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2	6/06/24	60% CONCEPT DESIGN	CB	MS
3	9/20/24	90% DESIGN PLANS	CB	MS
4	12/02/24	100% DESIGN PLANS	CB	MS



UPPER JEFFERSON RIVER RESTORATION PROJECT
100% DESIGN PLANS
 RUBY VALLEY CONSERVATION DISTRICT

BANK STABILIZATION SITE 1 P&P STA 0+00 - STA 6+00



1 SITE 1 BANK STABILIZATION DESIGN PROFILE
18 HORIZONTAL SCALE: 1" = 50'
 VERTICAL SCALE: 1" = 10'